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PATENT ABSTRACTS OF JAPAN(21) Application number: **61163421**(51) Intl. Cl.: **C02F 1/24 B03D 1/14**(22) Application date: **11.07.86**

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states:(71) Applicant: **ASANO EREKO KK**(72) Inventor: **YAMADA SADA
SATO YUICHIRO**

(74) Representative:

**(54) FLOATING SCUM
SEPARATOR**

(57) Abstract:

PURPOSE: To efficiently separate the scum suspended in sanitary sewage fed from a raw water supply pipe into a circular stationary tank by scraping up the scum by a swiveling frame which swivels and turns and the flexible scraping vanes of a rotating body which rotates and charging the scum into a scum discharge tray.

CONSTITUTION: A scum receiving tank part 6 is formed around a raw water introducing pipe 4 provided to the central part of the circular stationary tank 2. A horizontal pipe part of the raw water supply pipe 9 is connected by means of a rotary joint 8 to the pipe 4. The bottom end of the scum discharge tray 17 is positioned to face the aperture 6a of the receiving tank part 6. The flexible scraping vanes 21 which are freely bendable and slidable with the curved guide surface of a scraping guide wall 18 provided to the tray 17 are disposed in plural sheets at equal intervals circumferentially to the

outside periphery of a holding cylindrical part 20 of the rotating body 19 which has the section uniform in the axial direction. The swiveling body 3 which is freely swivelable and turnable around the pipe 4 is further provided. As a result, the scum floating on the raw water along the scraping guide wall is scraped up by the rotation of the rotating body and is charged into a scum discharge path, by which the scum is separated.

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